

Removing and installing energy management control unit -J644-

Removing



Note

Charger must **NOT** be connected during removal and installation.

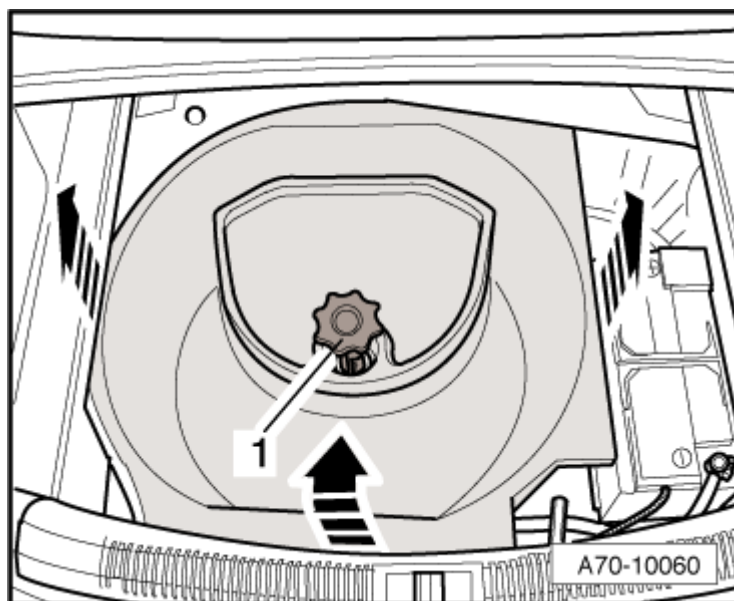
- When renewing control unit select “Replacement” function for appropriate control unit in “Guided Fault Finding” or “Guided Functions” → [Vehicle diagnosis, testing and information system VAS 5051](#).
- Select function or path:

Vehicle brand			
	Engine code		
		61 Battery control	
			J644 Replace control unit (Repair Group 27)

- Continue to follow the instructions on the display of the vehicle diagnostic tester.
- With ignition switched off, disconnect earth cable at battery → [Chapter](#).

Vehicles with moulded cover:

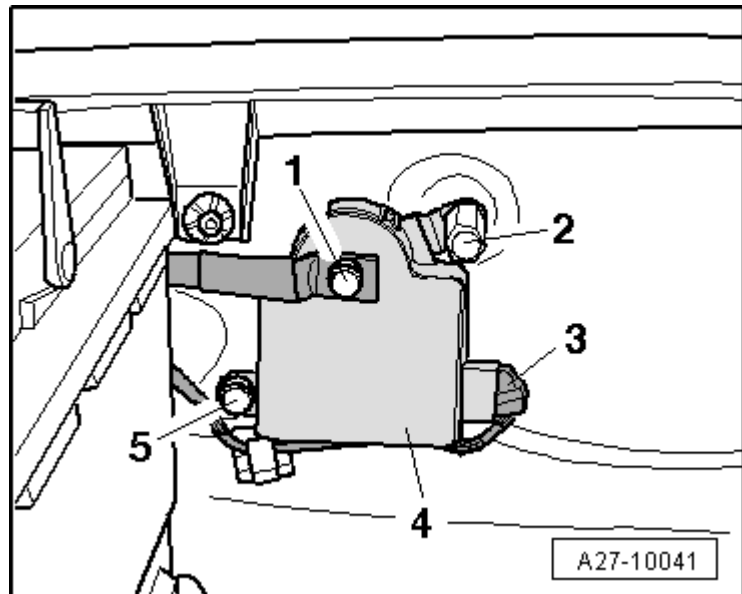
- Remove securing bolt -1- (if fitted).
- Remove the moulded insert from the spare wheel well -arrows-.



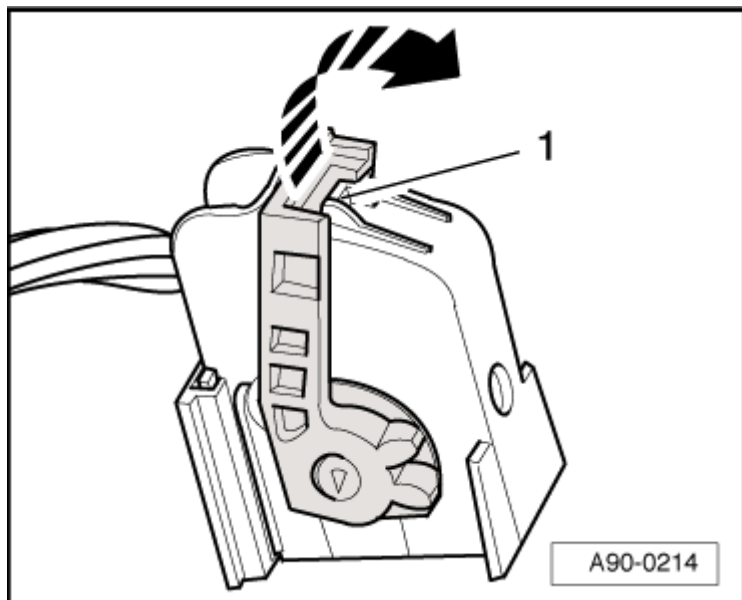
All models:

- Unscrew earth stud -2- and cap nut -5-.
- Remove the energy management control unit -J644--item 4-.
- Detach earth cable -1- leading to battery from energy management control unit -J644-.

- Unplug electrical connector -3-.



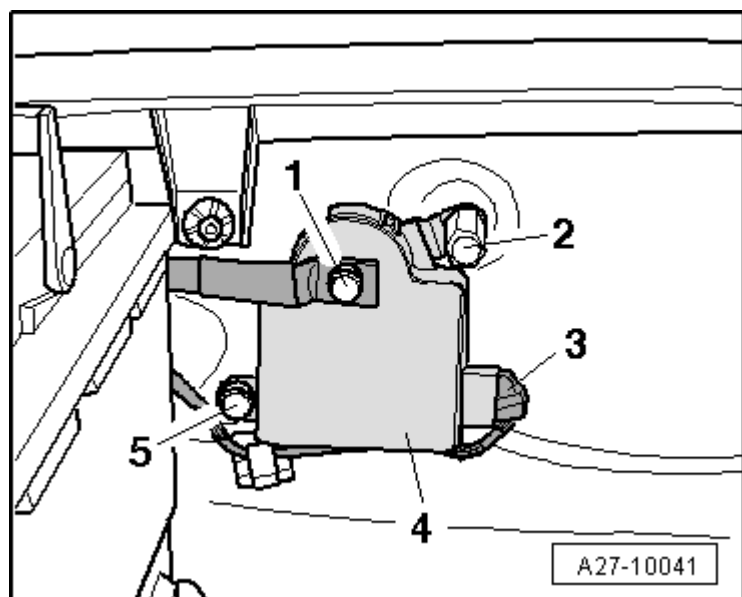
- To do so, press the catch -1- and turn the retaining clip in the direction of the -arrow-.



Installing

To ensure the correct function of energy management control unit -J644- it is important to keep to the following sequence during installation:

- 1 - Secure earth cable -1- to battery at energy management control unit -J644-.
- 2 - Secure energy management control unit -J644--item 4- to body by screwing in and tightening earth stud -2- and cap nut -5-.
- 3 - Connect earth cable to battery.
- 4 - Plug in electrical connector -3- at energy management control unit -J644-.
- 5 - Perform measures required after connecting battery → **Anchor**.



Energy management control unit -J644- must

be re-encoded after renewing → **Vehicle diagnosis, testing and information system VAS 5051**.

- Select function or path:

Vehicle brand	
	Vehicle type
	Engine code
	61 Battery control
	J644 Energy management control unit, coding (Repair Group 27)

- Continue to follow the instructions on the display of the vehicle diagnostic tester.

Tightening torques

Component		Nm
Control unit to body	Earth stud	20
	Nut	20
Earth cable to control unit		9